
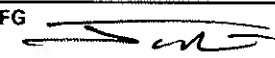
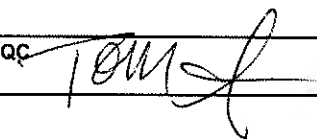
 DART AEROSPACE APICAL INDUSTRIES, INC. dba DART AEROSPACE	ENGINEERING CHANGE NOTICE NO. 05766				SHEET 1 OF 1	
	DWG NO. 647.4100		REV: N/C	PREPARED BY Q. SMITH	DATE: 06/20/17	
	DWG TITLE: SHEETMETAL					EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC. ECR: 17-058
	APPROVED BY:	ENGR 	MFG 	QC 	EFF: NEXT ORDER	
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE		REASON: CHANGE TYPE II TO TYPE III ANODIZE				

ECN TEMPLATE 01-07-17

SHEET 1, NOTES IS

ACTION LIST: 1. N/A

- NOTES: UNLESS OTHERWISE SPECIFIED
1. MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4
 2. FINISH IAW MPP-172 SECTIONS 2.1, 3.1, 4.2
 3. DEBURR AND BREAK ALL SHARP EDGES
 4. IDENTIFY IAW MPP-120

IS

DOCUMENTS EFFECTED: <input type="checkbox"/> PATTERN <input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRU <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---	--	---

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 02866				SHEET 1 OF 1	
	DWG NO. 647.4100	REV: N/C	PREPARED BY R. ROSANO	DATE: 05/05/10	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: SHEET METAL					
	APPROVED BY: ENGR. <i>[Signature]</i>	MFG. <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: CHANGED PRETREATMENT CALLOUT					

SHEET 1, ZONE A1 IS:

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 2024-T3 PER AMS-QQ-A-250/4

2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE II,
 CLASS 2, COLOR BLACK;
 PRETREAT PR-148 ADHESION PROMOTER
 PRIME IAW MIL-P-23377J TYPE I CLASS N

IS

3. DEBURR AND BREAK ALL SHARP EDGES

4. IDENTIFY IAW MPP-120

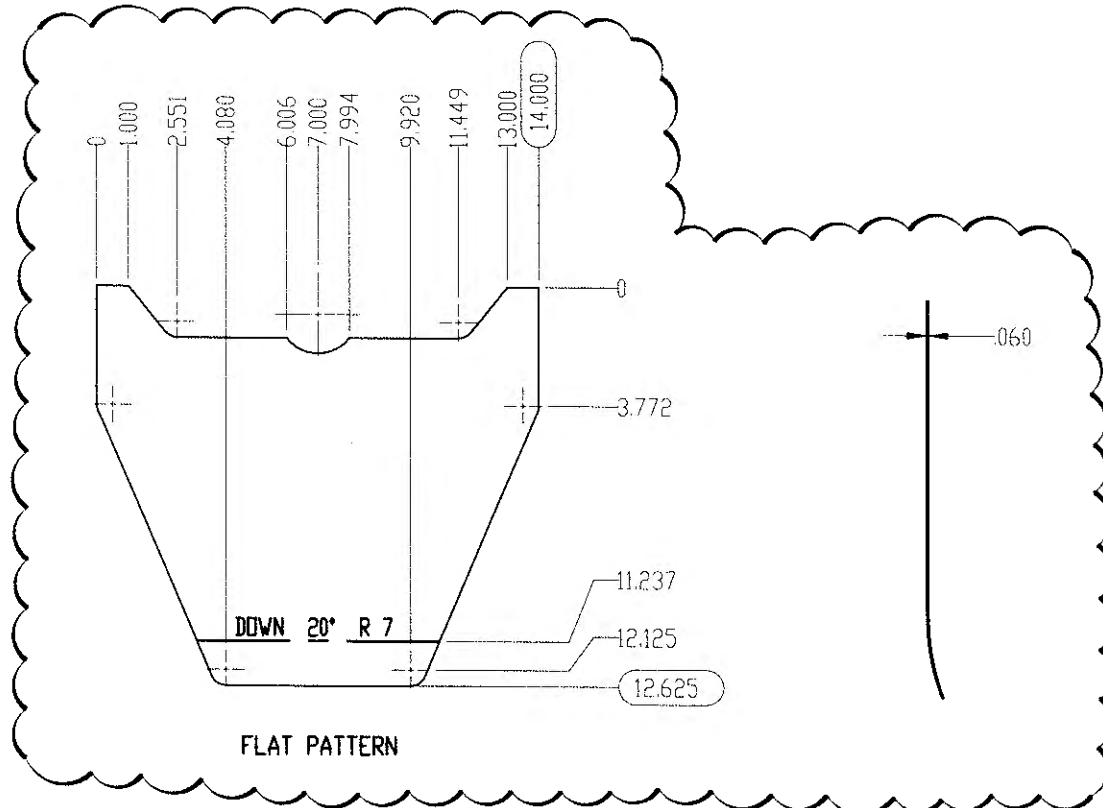
F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRUC <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

APICAL

INDUSTRIES, INC.

ENGINEERING CHANGE NOTICE NL 04510				SHEET 1 OF 1	
DWG NO. 647.4100		REV: N/C	PREPARED BY: J. BECKER	DATE: 04/24/14	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.
DWG TITLE: SHEETMETAL					
APPROVED BY:	ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: <i>[Signature]</i>	NEXT ORDER
REASON: MODIFIED DOUBLER.					

TRANSACTION CODES (TC):
 A-ADD C-CREATE
 R-REVISE D-DELETE



SHEET 1, ZONE C2 IS:

DOCUMENTS EFFECTED:	<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRU <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
---------------------	--	---	--

NOTES: UNLESS OTHERWISE SPECIFIED

2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE II,
CLASS 2, COLOR BLACK;
CARDINAL 4860-50 PRETREATMENT PRIMER
PRIME IAW MIL-P-23377J TYPE I CLASS N
















3. DEBURR AND BREAK ALL SHARP EDGES

4. IDENTIFY IAW MPP-120

647.4110

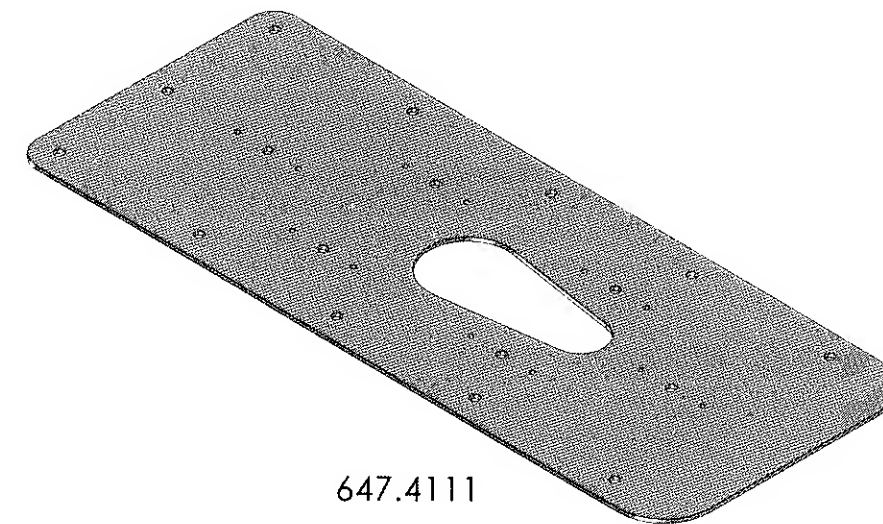
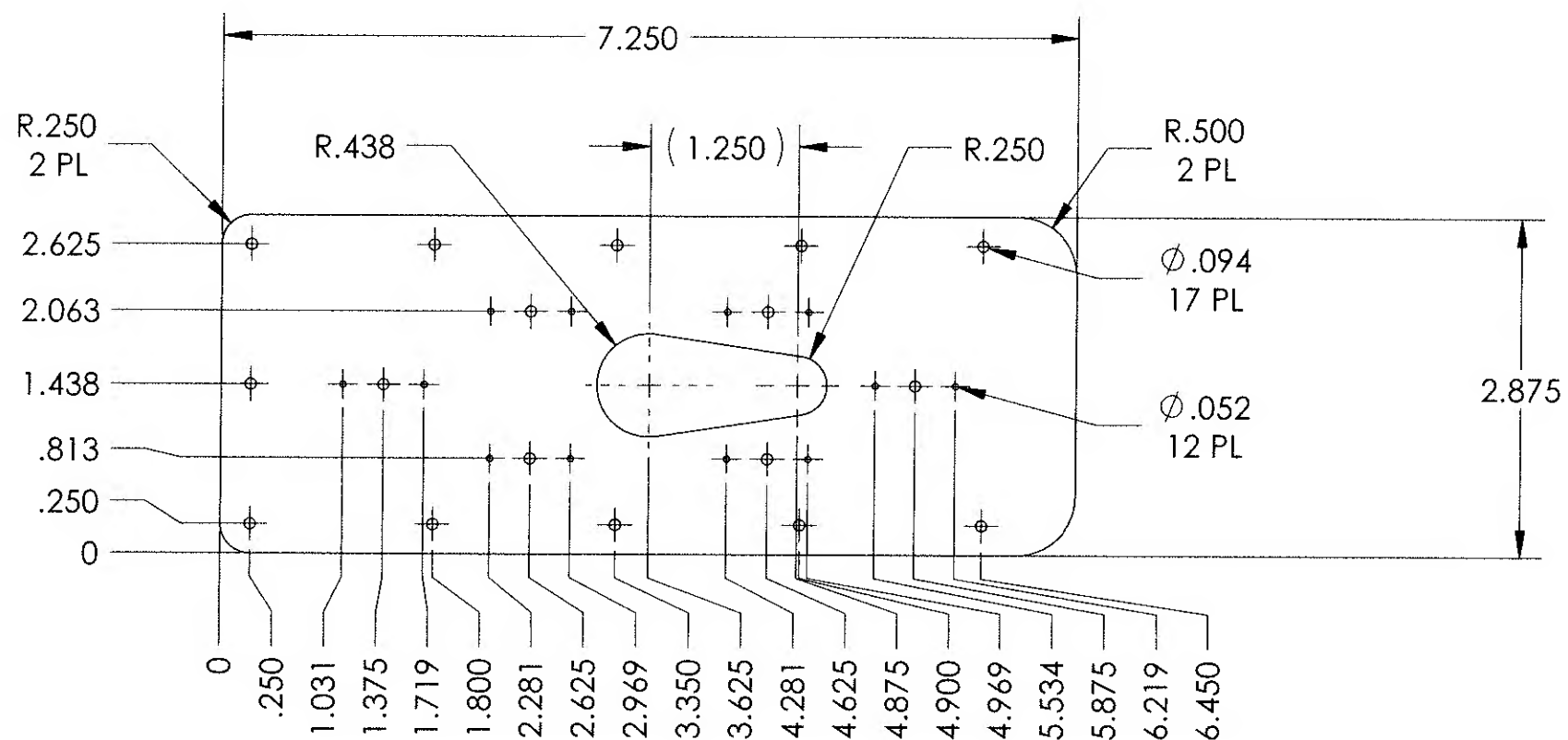
UNINCORPORATED ECN(S)

02866, 04510, 05766

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			647.4115	SHIM		
			647.4114	SHIM		
			647.4113	CLIP		
			647.4112	CLIP		
			647.4111	DOUBLER		
			647.4110	DOUBLER		
		FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY			PARTS LIST			
NEXT ASSY (S)			<div>APICAL INDUSTRIES</div> <div>2608 TEMPLE HEIGHTS DR.</div> <div>OCEANSIDE, CA. 92056-3512 (760)724-5300</div> <div>SHEETMETAL</div>			
647.3700						
<div>ORIGINAL DATE (MO-YR) 08/25/09</div> <div>DRAWN BY TMECHER</div> <div>P. ROSANO D BARKER</div> <div>DRAWING APPROVAL </div> <div>P. BRAVO</div> <div>08/25/09</div> <div>CONTRACT NO.</div>						
<div>UNLESS OTHERWISE SPECIFIED</div> <div>DIMENSIONS ARE IN INCHES</div> <div>TOLERANCES ARE:</div> <div>2 PLACE DECIMALS ±.01</div> <div>3 PLACE DECIMALS ±.005</div> <div>ANGLES ±.5°</div>						
SIZE	CAGE CODE	DWG. NO.	REV.			
B	07M26	647.4100	N/C			
SCALE NONE			SHEET 1 OF 6			

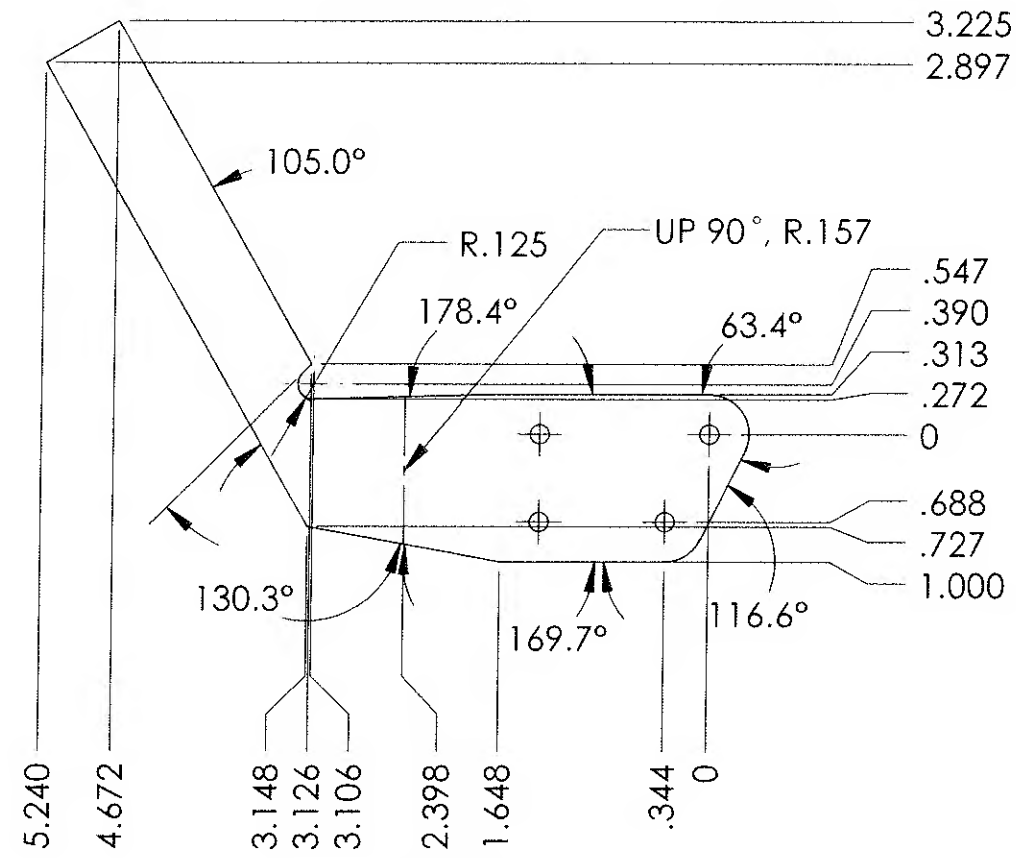
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TYP.

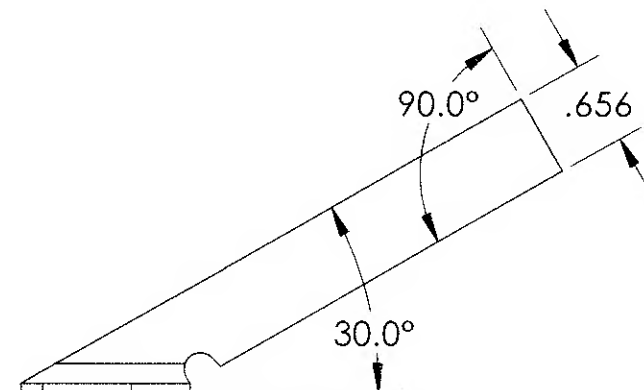


ORIGINAL DATE (MO-DA-YR) 08/25/09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300	
DRAWN BY R. ROSANO	CHECKER D. BAEFER		
DRAWING APPROVAL P. BRAVO 08/23/09		SHEETMETAL	
CONTRACT No.		SIZE B	REV. N/C
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		CAGE CODE 07M26	DWG. NO. 647.4100
		SCALE NONE	SHEET 2 OF 6

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



Technical drawing of a 90-degree corner. The vertical leg has a height dimension of 2.320. The horizontal leg has a width dimension of 2.188. A curved arrow indicates the corner angle is (90.0°) . A leader line points to the corner with the label $(R.157)$.



ORIGINAL DATE IMC-DA-191	05/25/09		
DRAWN BY P. POSAHO	CHECKER D. BAKER		
DRAWING APPROVAL P. BRAVO	06/25/09		
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 3 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$			
SIZE B	CAGE CODE 07M26	DWG. NO. 647.4100	REV. N/C
SCALE NONE		SHEET	3 OF 6

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

A

.063

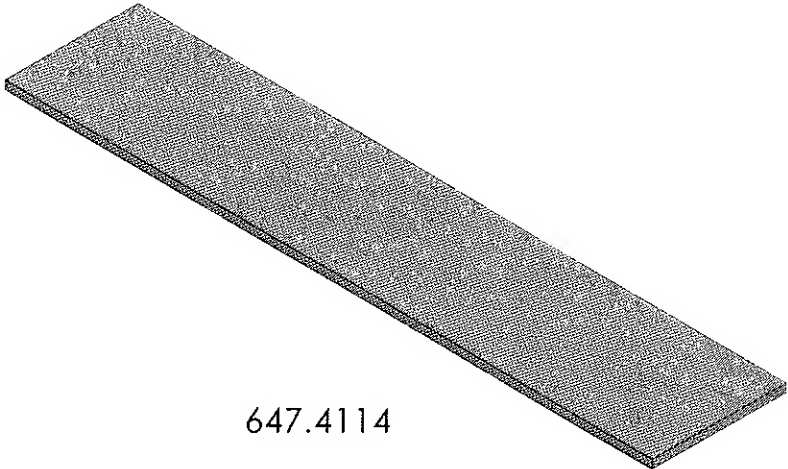
B

C

D

4.80

.984

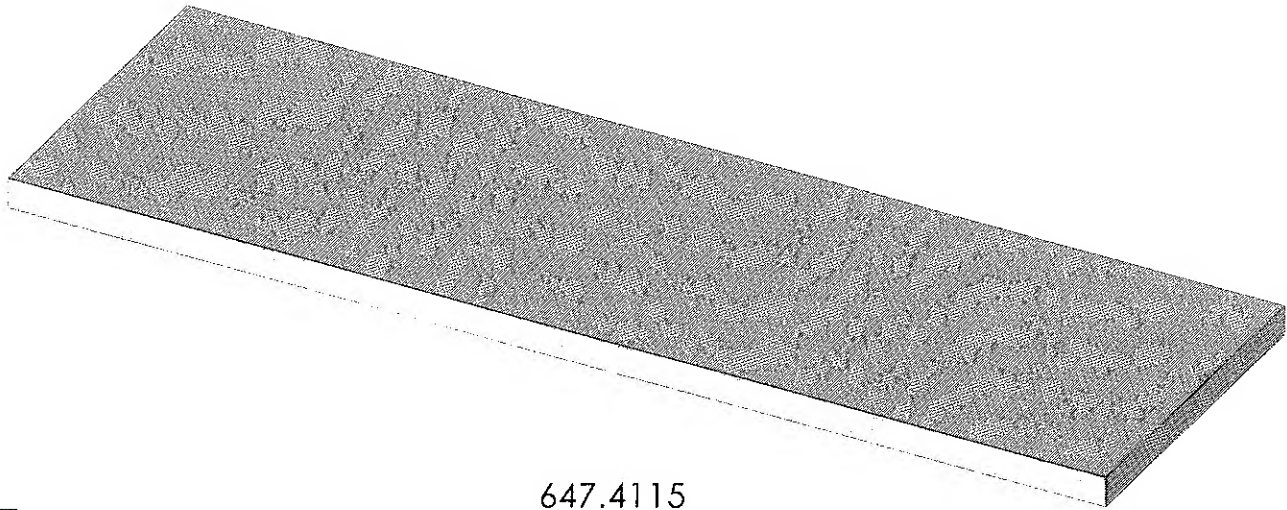


647.4114

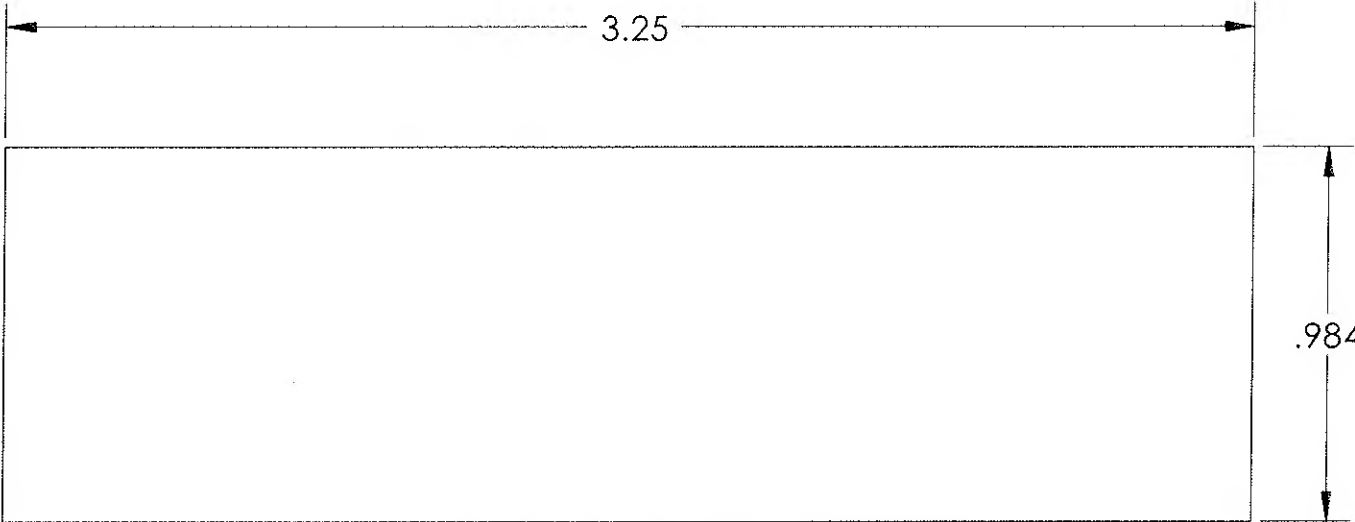
ORIGINAL DATE (MO-DA-YR) 08/25/09	APICAL INDUSTRIES				
DRAWN BY R. POSANO	CHECKER D. BARTER	2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760) 724-5300			
DRAWING APPROVAL P. BRAVO 08/25/09		SHEETMETAL			
CONTRACT NO.					
UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07MZ6	DWG. NO. 647.4100	REV. N/C
		SCALE NONE		SHEET	4 OF 6

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED



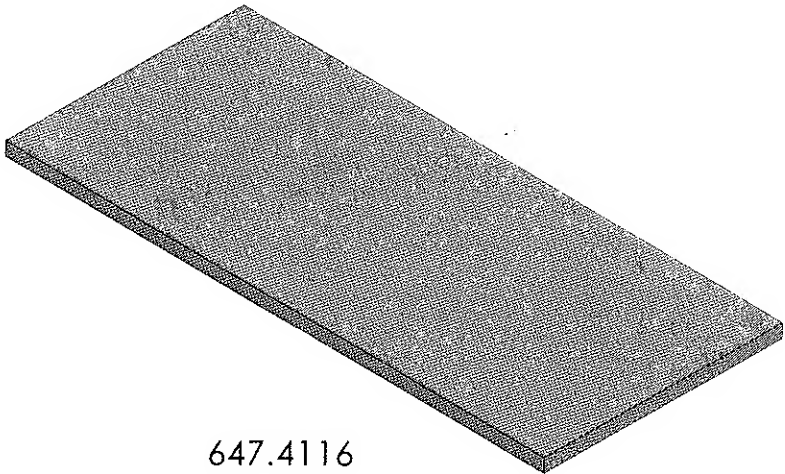
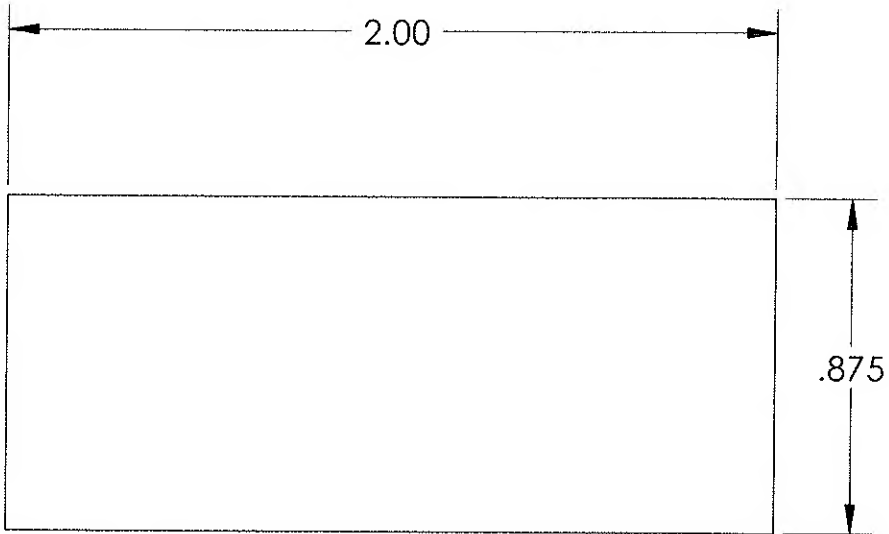
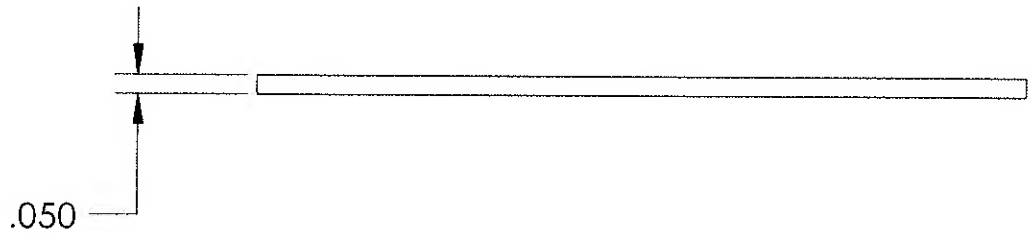
647.4115



ORIGINAL DATE (MM-DA-YR) 08/25/09		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300			
DRAWN BY F. POSANO	CHECKER D. BARKER				
DRAWING APPROVAL P. BRAVO 08/25/09					
CONTRACT NO.		SHEETMETAL			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SIZE B	CAGE CODE 07M26	DWG. NO. 647.4100	REV. N/C
		SCALE NONE			
		SHEET 5 OF 6			

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REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE
11/01/09
DRAWN BY
P. ROSARIO
DRAWING APPROVAL
P. BRAVO
CONTRACT NO.

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
2 PLACE DECIMALS ±.01
3 PLACE DECIMALS ±.005
ANGLES ±.5°

APICAL INDUSTRIES
2608 TEMPLE HEIGHTS DR.
OCEANSIDE, CA. 92056-3512 (760)724-5300

SHEETMETAL

SIZE	CAGE CODE	DWG. NO.	REV.
B	07MZ6	647.4100	N/C
SCALE NONE			SHEET 6 OF 6